

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120922\
 Data File : BM037921.D
 Acq On : 09 Dec 2022 17:44
 Operator : CG/JU
 Sample : N5896-12 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXN0

Quant Time: Dec 09 21:49:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 21:34:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	217775	20.000	ng/ul	0.00
20) Naphthalene-d8	10.904	136	896514	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.716	164	564150	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.457	188	1289040	20.000	ng/ul	0.00
79) Chrysene-d12	21.627	240	1067494	20.000	ng/ul	0.00
88) Perylene-d12	24.109	264	1066036	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	1584	0.330	ng/uL	0.00
4) Pyridine-d5	3.858	84	257	0.018	ng/ul	0.00
7) Phenol-d5	7.234	99	37618	2.126	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.404	67	22662	2.103	ng/ul	0.00
11) 2-Chlorophenol-d4	7.610	132	31630	2.179	ng/ul	0.00
15) 4-Methylphenol-d8	8.793	113	30988	2.243	ng/ul	0.00
21) Nitrobenzene-d5	9.257	128	14829	2.089	ng/ul	0.00
24) 2-Nitrophenol-d4	9.981	143	14916	2.005	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	29220	2.068	ng/ul	0.00
31) 4-Chloroaniline-d4	11.039	131	33614	1.724	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	100085	2.488	ng/ul	0.00
49) Acenaphthylene-d8	14.410	160	114409	2.327	ng/ul	0.00
54) 4-Nitrophenol-d4	14.910	143	11611	1.694	ng/ul	0.00
60) Fluorene-d10	15.698	176	96640	2.697	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.821	200	9128	1.324	ng/ul	0.00
73) Anthracene-d10	17.557	188	154808	2.573	ng/ul	0.00
81) Pyrene-d10	19.839	212	181529	2.831	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.944	264	133596	2.509	ng/ul	0.00
Target Compounds						Qvalue
30) Naphthalene	10.951	128	207097	4.281	ng/ul	98
32) 4-Chloroaniline	10.951	127	25987	1.336	ng/ul#	14
36) 2-Methylnaphthalene	12.551	142	149758	4.772	ng/ul	99
37) 1-Methylnaphthalene	12.769	142	211690	6.597	ng/ul	97
43) 1,1'-Biphenyl	13.551	154	193294	4.263	ng/ul	98
50) Acenaphthylene	14.433	152	163061	3.017	ng/ul#	95
52) Acenaphthene	14.780	153	2871091	76.796	ng/ul	99
56) Dibenzofuran	15.110	168	2600229	50.943	ng/ul	97
61) Fluorene	15.757	166	3815242	91.655	ng/ul	99
72) Phenanthrene	17.510	178	11938641	169.596	ng/ul	97
74) Anthracene	17.604	178	14227247	198.875	ng/ul	96
77) Carbazole	17.863	167	4333673	69.921	ng/ul	98
80) Fluoranthene	19.515	202	12204807	161.270	ng/ul	100
82) Pyrene	19.874	202	9460697	120.117	ng/ul	99
85) Benzo(a)anthracene	21.609	228	2461884	34.256	ng/ul	98
87) Chrysene	21.668	228	3240980	48.065	ng/ul	99
90) Benzo(b)fluoranthene	23.350	252	2496191	37.770	ng/ul	99
91) Benzo(k)fluoranthene	23.350	252	2496191	38.972	ng/ul	99
93) Benzo(a)pyrene	23.997	252	1042436	17.937	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.697	276	548939	7.334	ng/ul	95
95) Dibenzo(a,h)anthracene	26.703	278	148120	2.347	ng/ul#	88
96) Benzo(g,h,i)perylene	27.503	276	411491	6.886	ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 09 21:34:57 2022
Response via : Initial Calibration

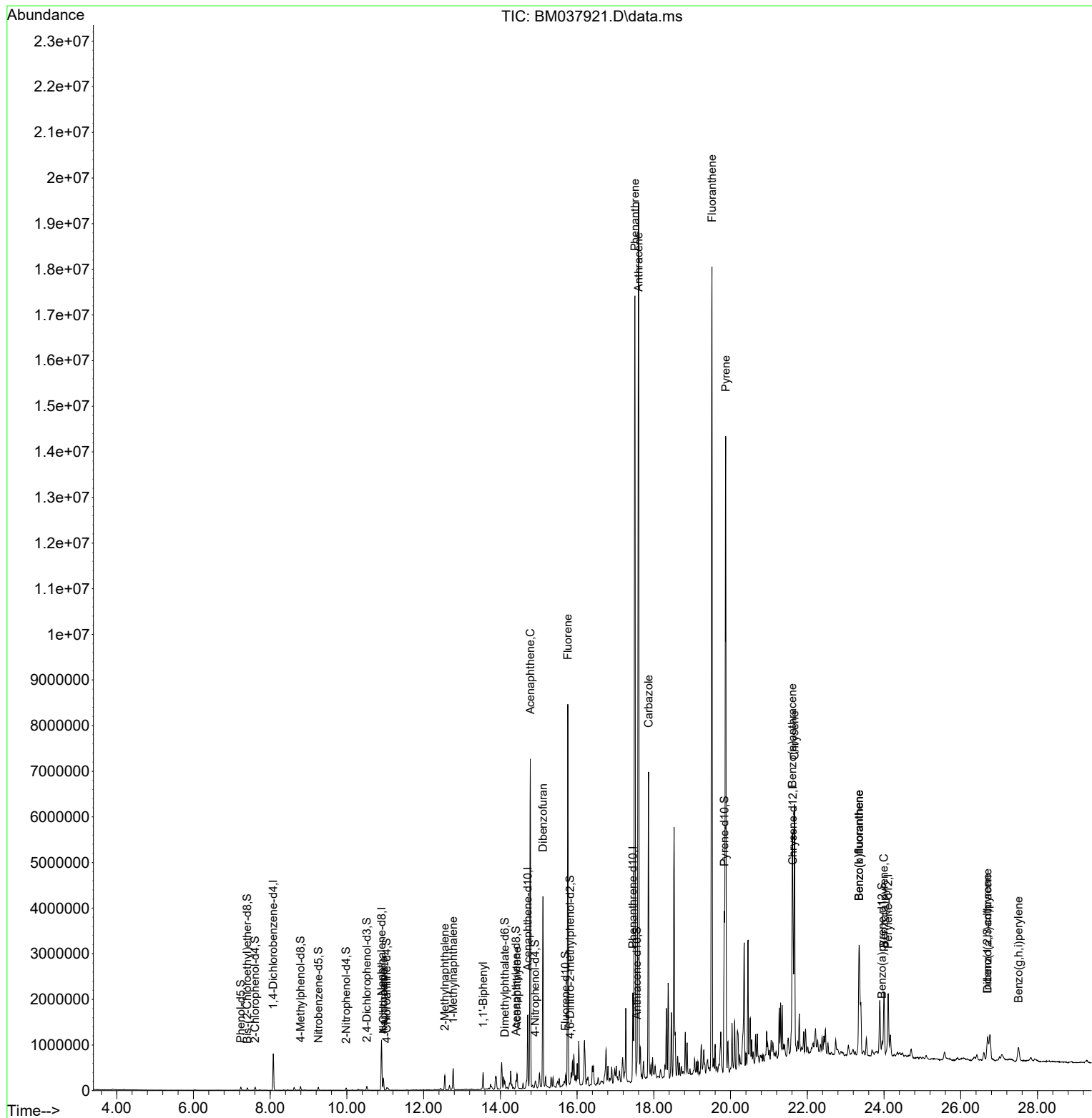
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

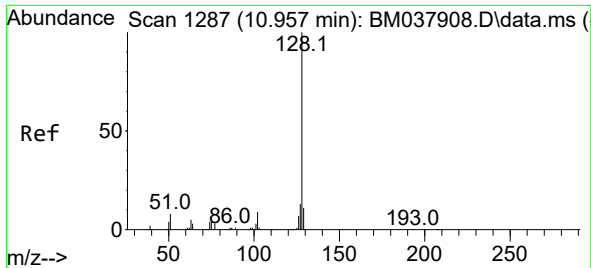
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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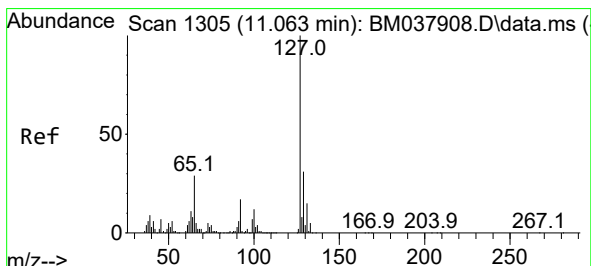
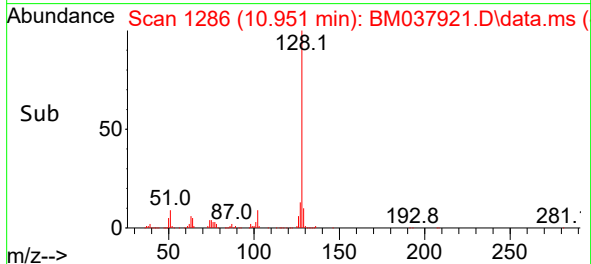
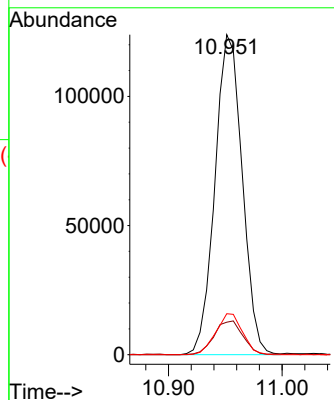
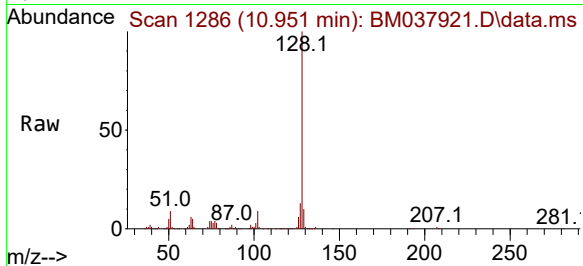




#30
Naphthalene
Concen: 4.281 ng/ul
RT: 10.951 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

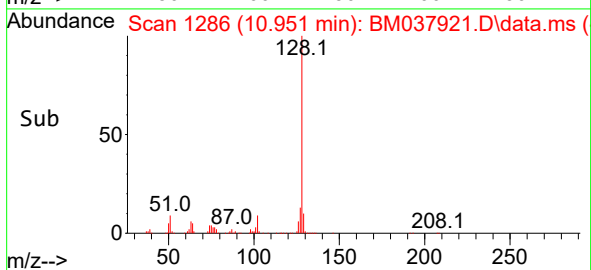
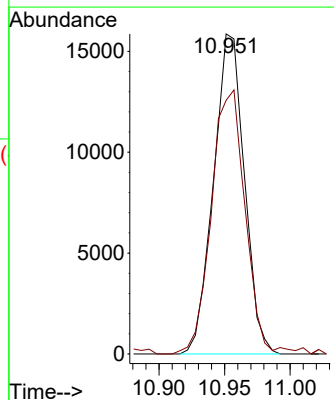
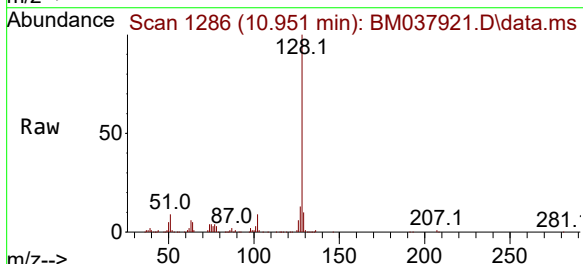
Instrument :
BNA_M
ClientSampleId :
DBXN0

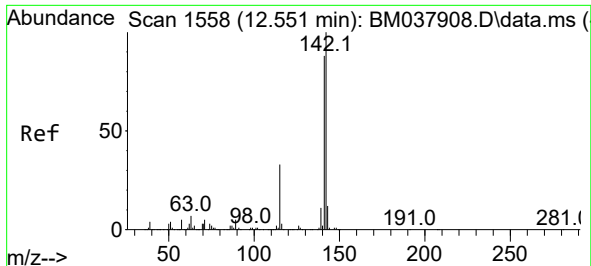
Tgt Ion:128 Resp: 207097
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.4
127 12.8 10.4 15.6



#32
4-Chloroaniline
Concen: 1.336 ng/ul
RT: 10.951 min Scan# 1286
Delta R.T. -0.112 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Tgt Ion:127 Resp: 25987
Ion Ratio Lower Upper
127 100
129 79.2 25.3 37.9#

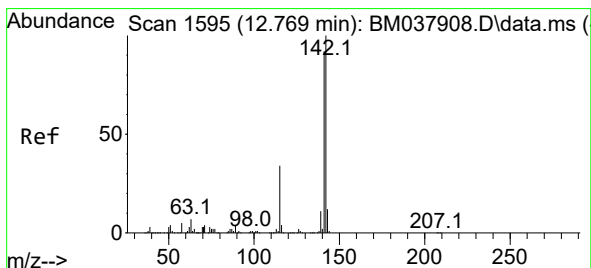
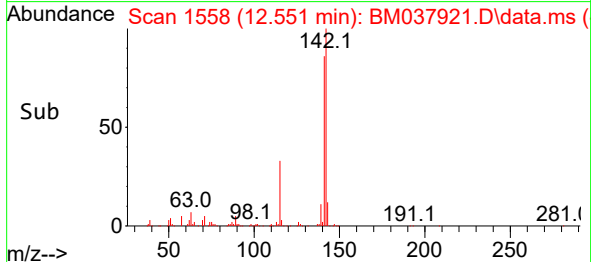
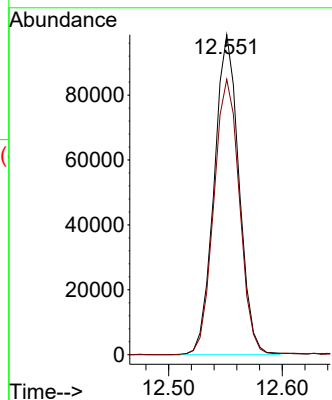
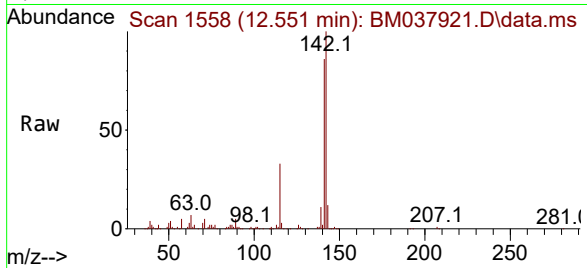




#36
2-Methylnaphthalene
Concen: 4.772 ng/ul
RT: 12.551 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

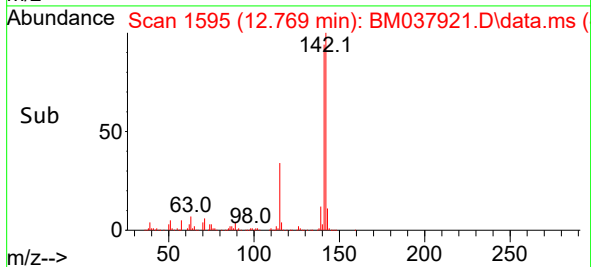
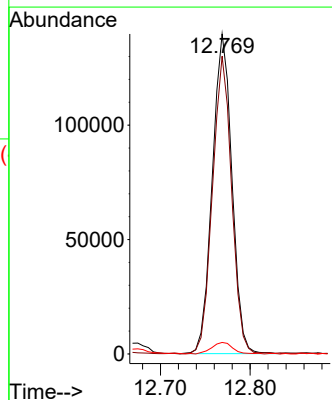
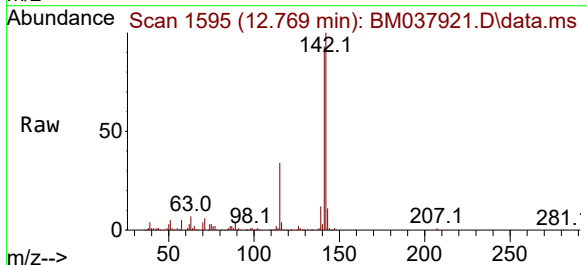
Instrument :
BNA_M
ClientSampleId :
DBXN0

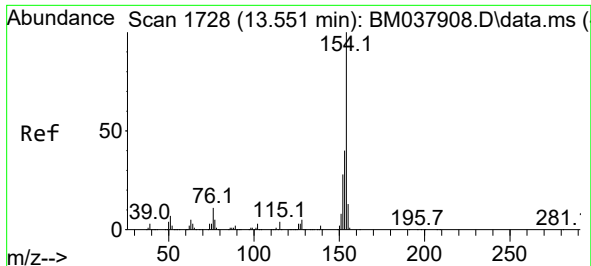
Tgt Ion:142 Resp: 149758
Ion Ratio Lower Upper
142 100
141 86.1 69.4 104.0



#37
1-Methylnaphthalene
Concen: 6.597 ng/ul
RT: 12.769 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Tgt Ion:142 Resp: 211690
Ion Ratio Lower Upper
142 100
141 93.0 72.4 108.6
116 3.6 2.9 4.3

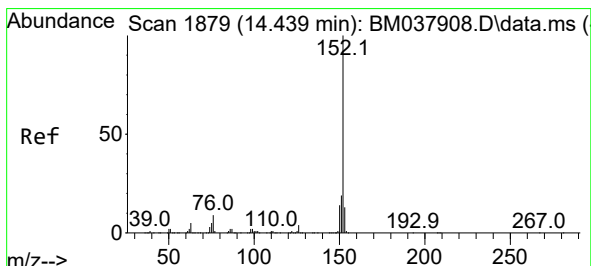
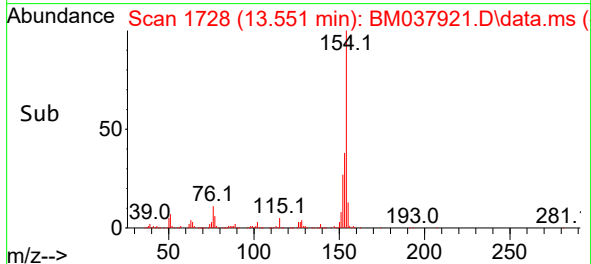
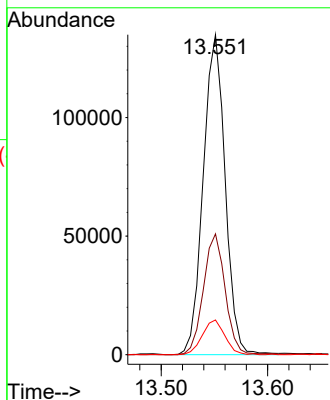
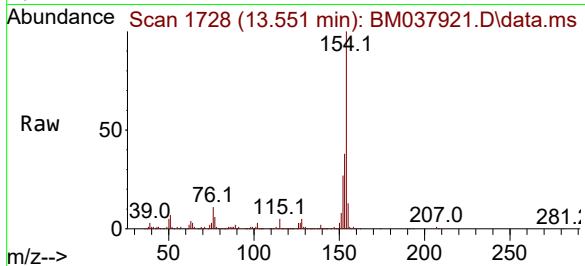




#43
1,1'-Biphenyl
Concen: 4.263 ng/ul
RT: 13.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

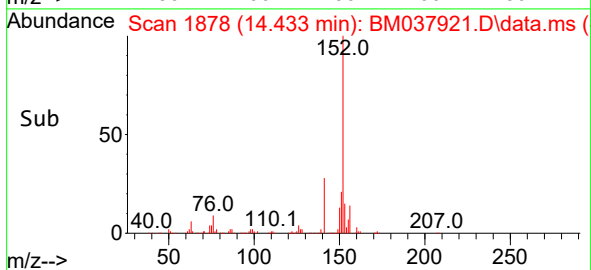
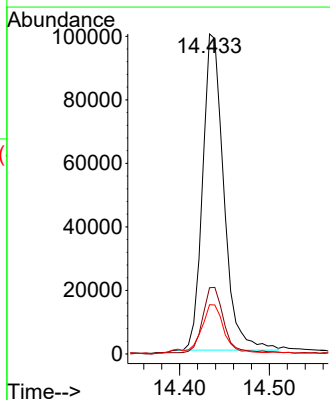
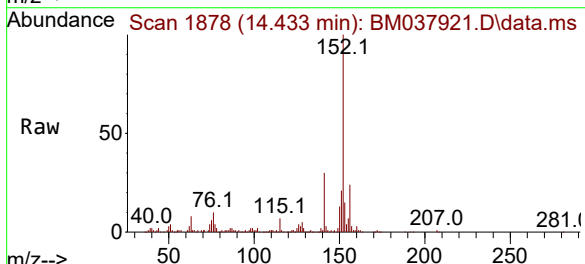
Instrument :
BNA_M
ClientSampleId :
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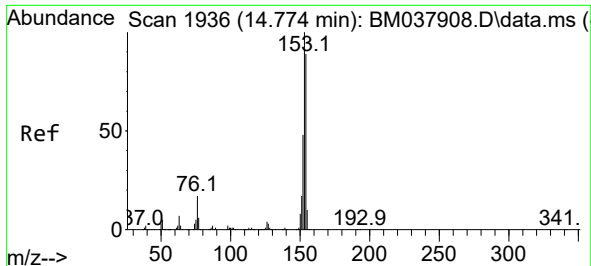
Tgt Ion:154 Resp: 193294
Ion Ratio Lower Upper
154 100
153 37.8 31.2 46.8
76 10.9 9.3 13.9



#50
Acenaphthylene
Concen: 3.017 ng/ul
RT: 14.433 min Scan# 1878
Delta R.T. -0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Tgt Ion:152 Resp: 163061
Ion Ratio Lower Upper
152 100
151 20.7 15.3 22.9
153 15.4 10.2 15.4#

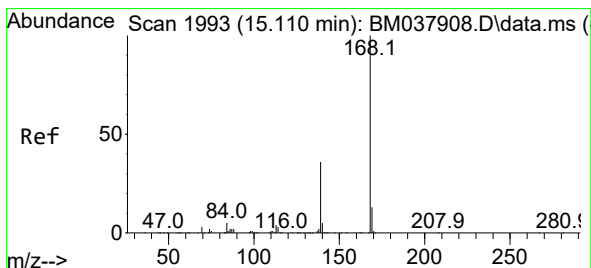
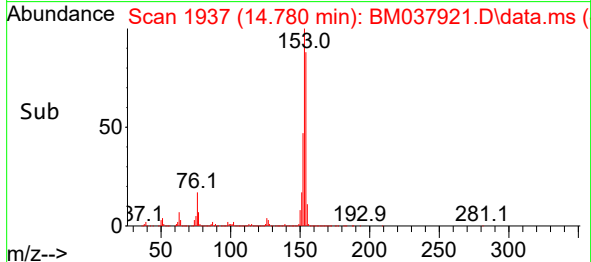
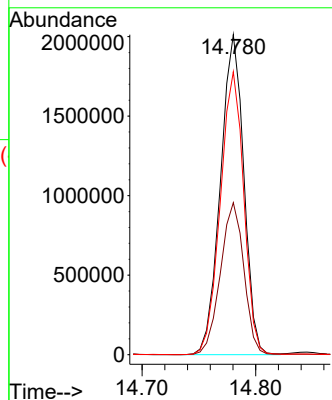
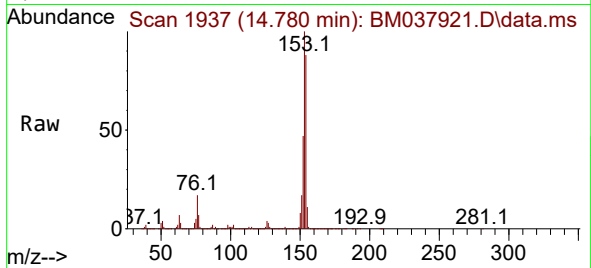




#52
Acenaphthene
Concen: 76.796 ng/ul
RT: 14.780 min Scan# 1937
Delta R.T. 0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

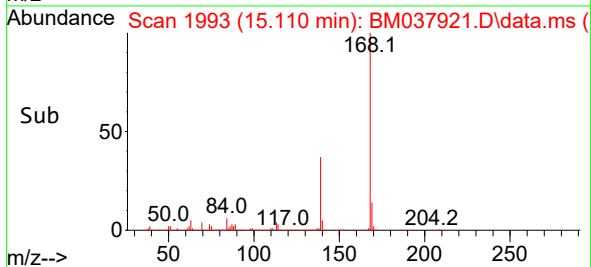
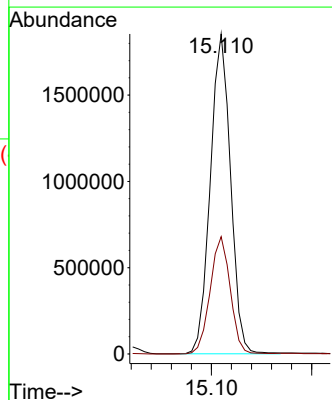
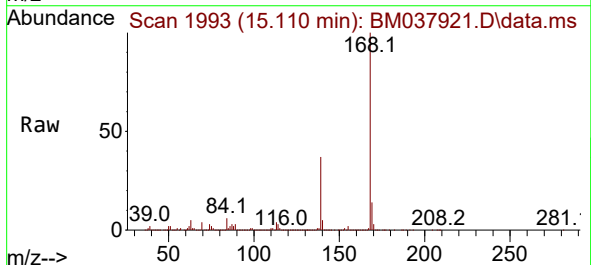
Instrument :
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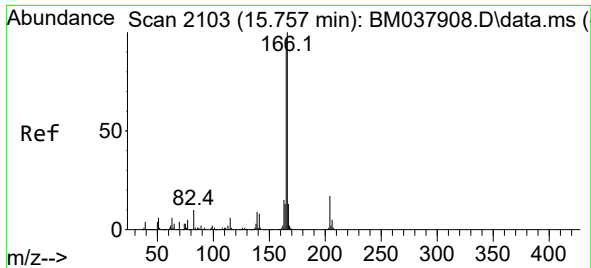
Tgt Ion:153 Resp: 2871091
Ion Ratio Lower Upper
153 100
152 47.5 38.2 57.4
154 88.4 71.4 107.0



#56
Dibenzofuran
Concen: 50.943 ng/ul
RT: 15.110 min Scan# 1993
Delta R.T. 0.000 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Tgt Ion:168 Resp: 2600229
Ion Ratio Lower Upper
168 100
139 36.7 28.1 42.1

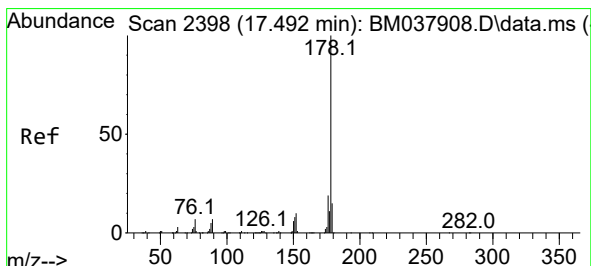
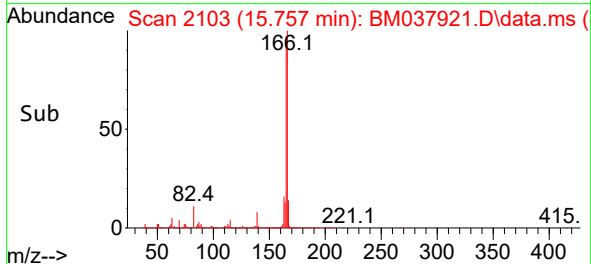
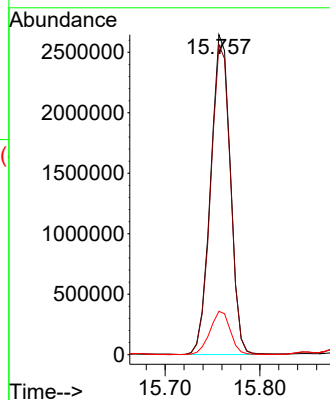
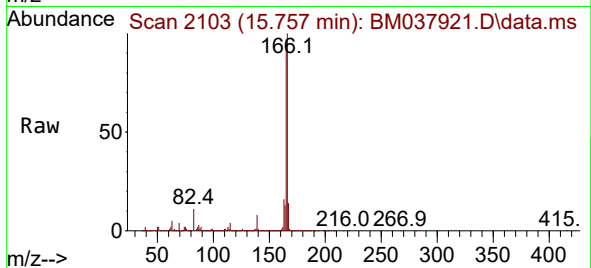




#61
Fluorene
Concen: 91.655 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

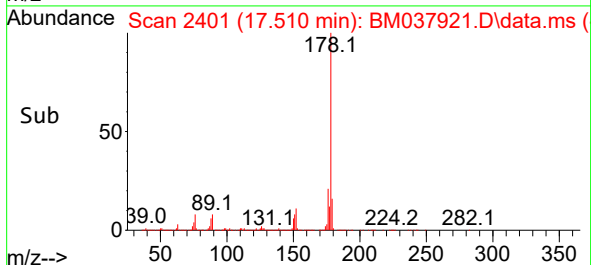
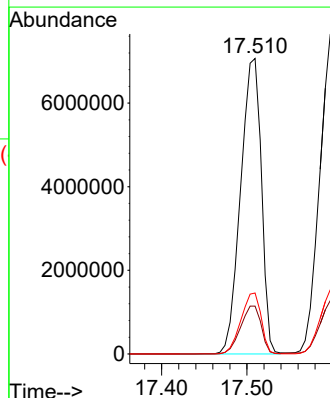
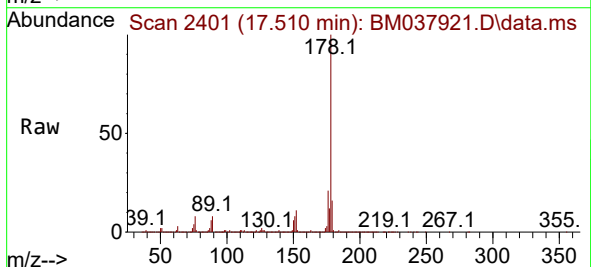
Instrument :
BNA_M
ClientSampleId :
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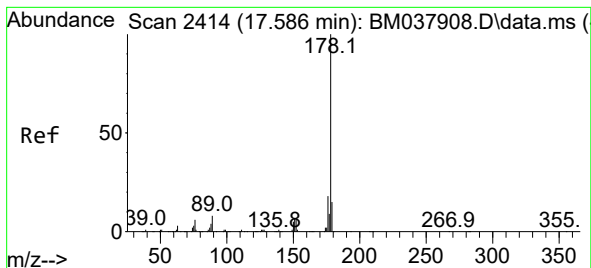
Tgt Ion:166 Resp: 3815242
Ion Ratio Lower Upper
166 100
165 96.9 77.2 115.8
167 13.5 10.4 15.6



#72
Phenanthrene
Concen: 169.596 ng/ul
RT: 17.510 min Scan# 2401
Delta R.T. 0.018 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Tgt Ion:178 Resp:11938641
Ion Ratio Lower Upper
178 100
179 16.2 12.2 18.2
176 20.6 15.4 23.0





#74

Anthracene

Concen: 198.875 ng/ul

RT: 17.604 min Scan# 2414

Delta R.T. 0.018 min

Lab File: BM037921.D

Acq: 09 Dec 2022 17:44

Instrument :

BNA_M

ClientSampleId :

DBXN0

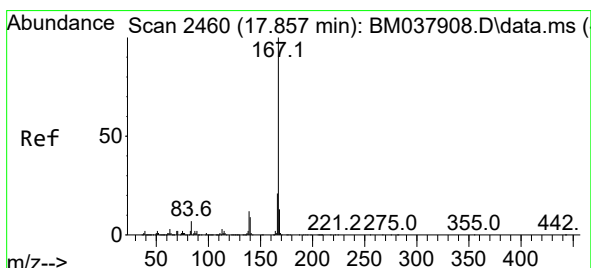
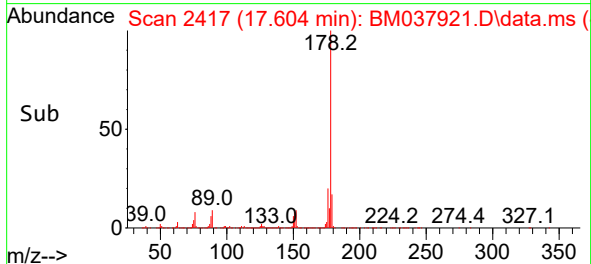
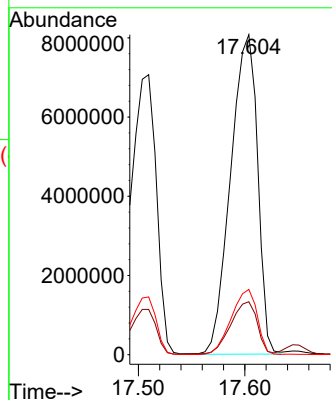
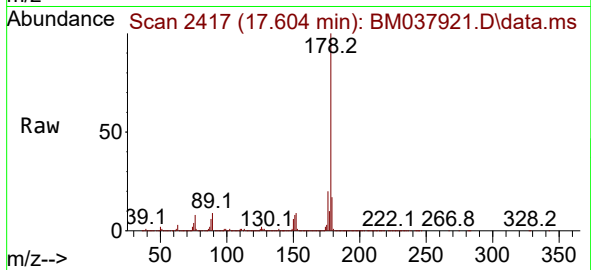
Tgt Ion:178 Resp:14227247

Ion Ratio Lower Upper

178 100

179 16.6 11.8 17.8

176 20.4 15.0 22.6



#77

Carbazole

Concen: 69.921 ng/ul

RT: 17.863 min Scan# 2461

Delta R.T. 0.006 min

Lab File: BM037921.D

Acq: 09 Dec 2022 17:44

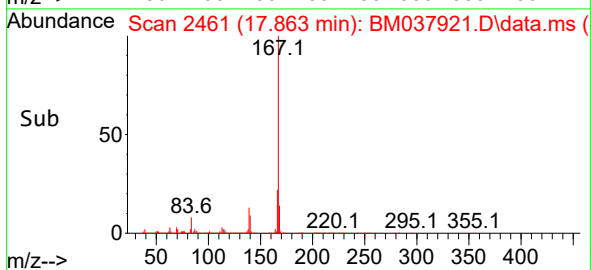
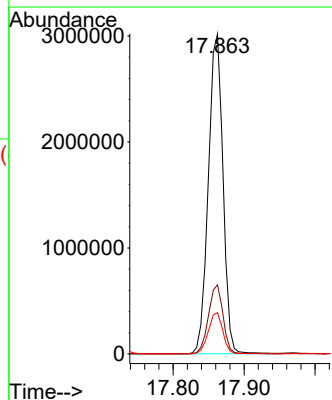
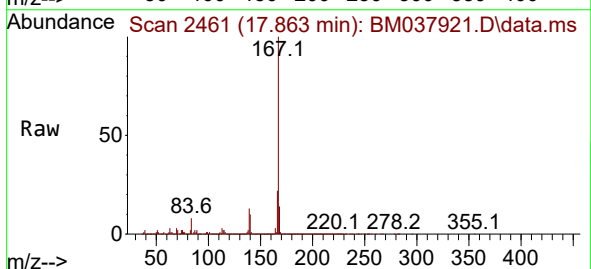
Tgt Ion:167 Resp: 4333673

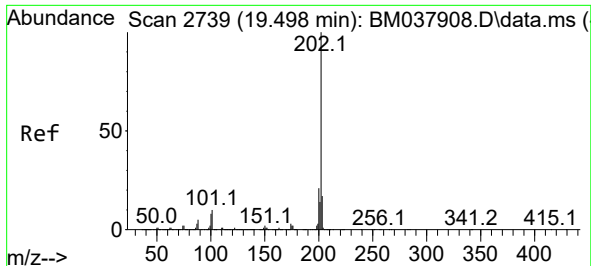
Ion Ratio Lower Upper

167 100

166 21.6 16.7 25.1

139 12.9 9.8 14.6

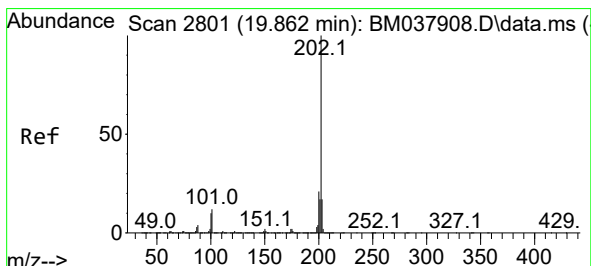
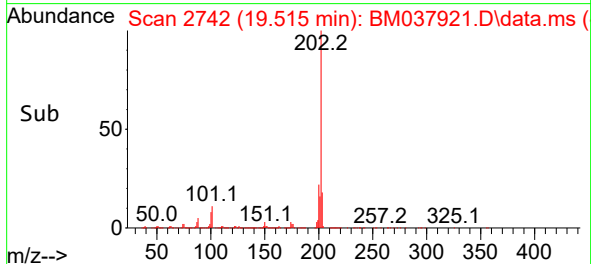
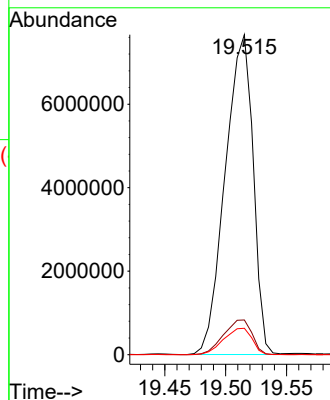
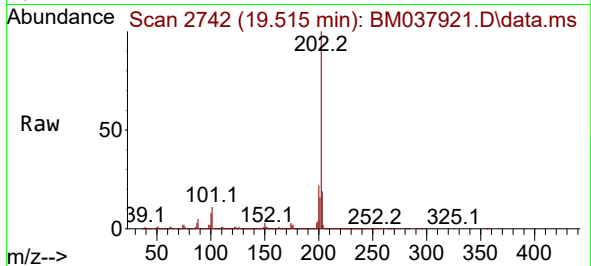




#80
Fluoranthene
Concen: 161.270 ng/ul
RT: 19.515 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

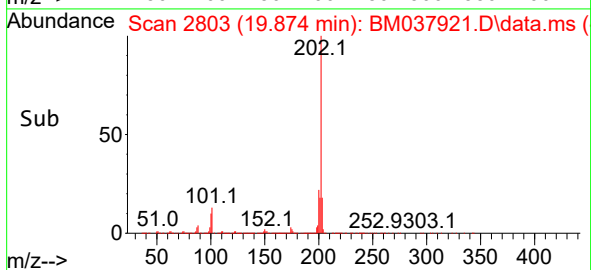
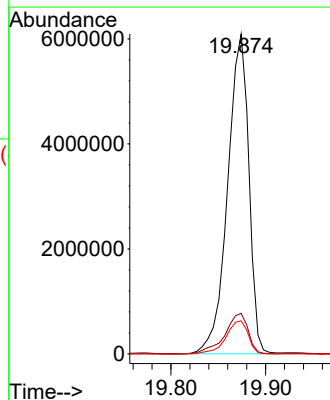
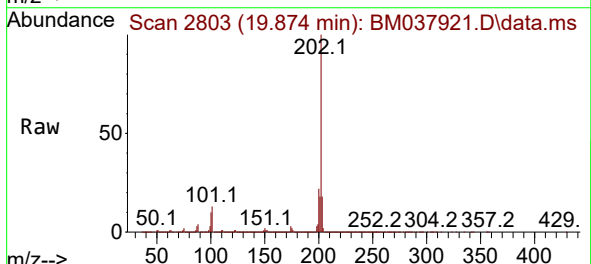
Instrument :
BNA_M
ClientSampleId :
DBXN0

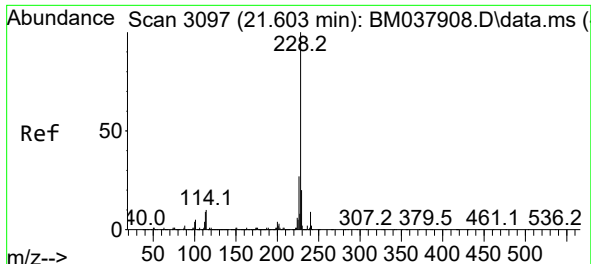
Tgt Ion:202 Resp:12204807
Ion Ratio Lower Upper
202 100
101 10.8 8.6 13.0
100 8.3 6.6 10.0



#82
Pyrene
Concen: 120.117 ng/ul
RT: 19.874 min Scan# 2803
Delta R.T. 0.012 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Tgt Ion:202 Resp: 9460697
Ion Ratio Lower Upper
202 100
101 12.7 10.0 15.0
100 10.3 7.9 11.9

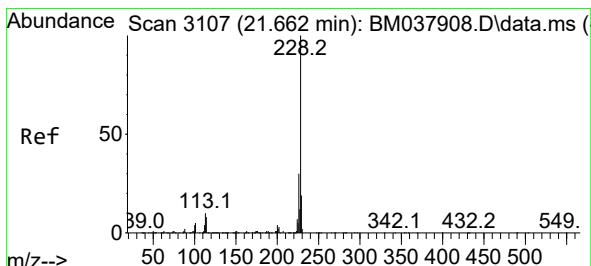
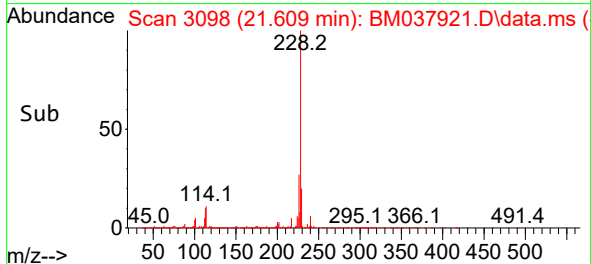
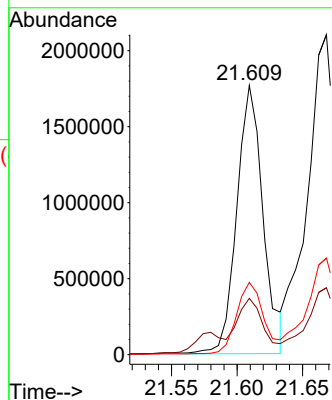
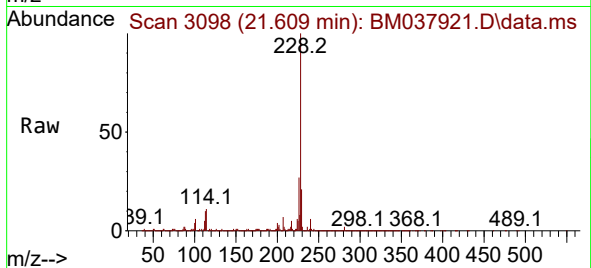




#85
Benzo(a)anthracene
Concen: 34.256 ng/ul
RT: 21.609 min Scan# 3097
Delta R.T. 0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

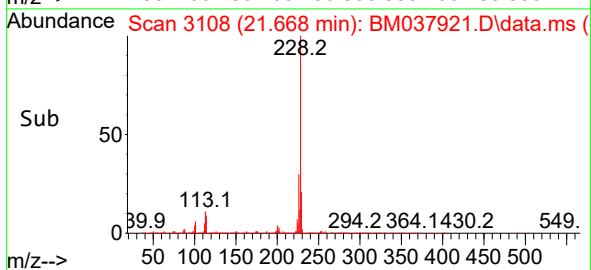
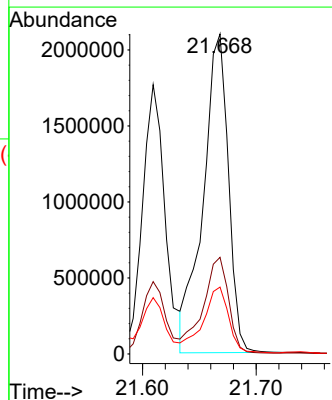
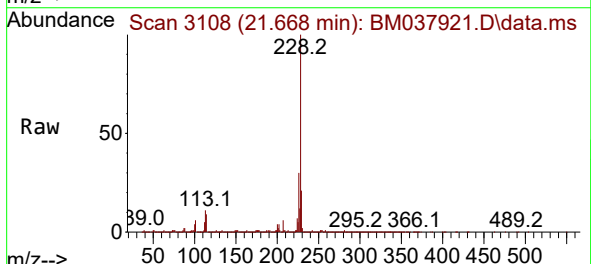
Instrument :
BNA_M
ClientSampleId :
DBXN0

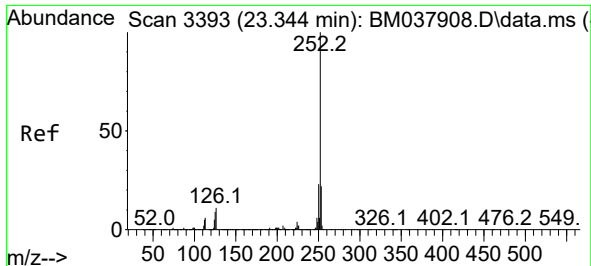
Tgt Ion:228 Resp: 2461884
Ion Ratio Lower Upper
228 100
229 20.9 15.5 23.3
226 26.8 21.8 32.8



#87
Chrysene
Concen: 48.065 ng/ul
RT: 21.668 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Tgt Ion:228 Resp: 3240980
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 20.9 15.6 23.4

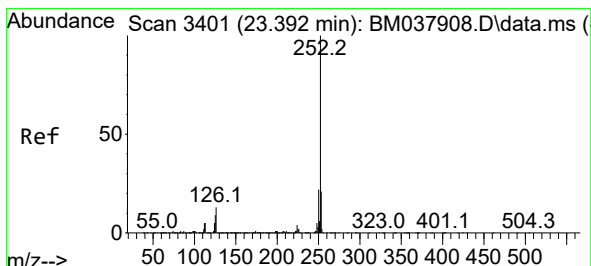
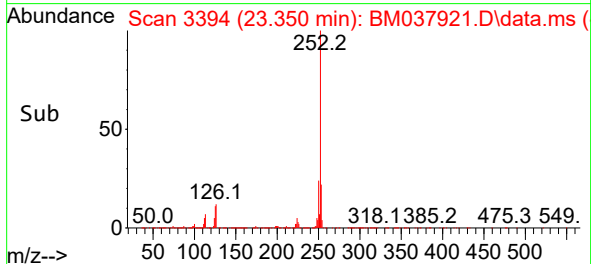
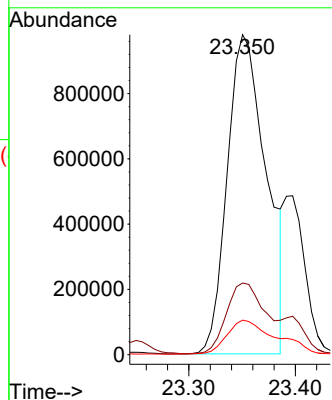
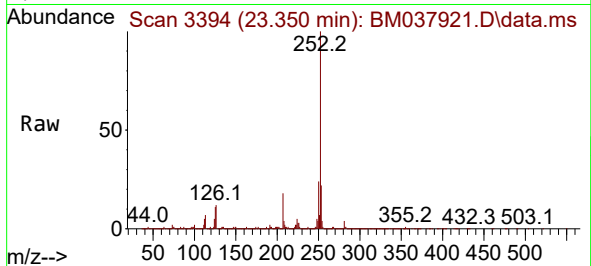




#90
Benzo(b)fluoranthene
Concen: 37.770 ng/ul
RT: 23.350 min Scan# 3393
Delta R.T. 0.006 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

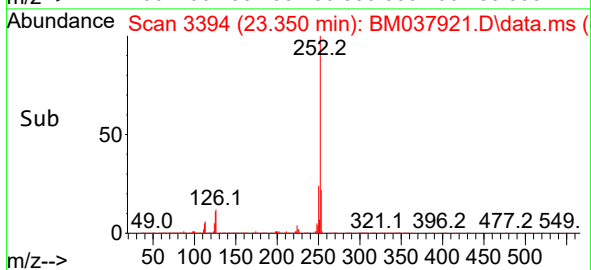
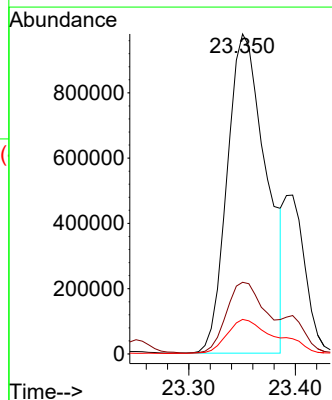
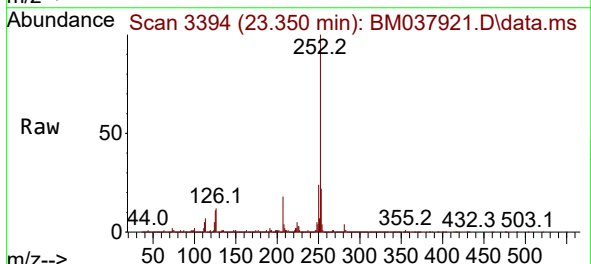
Instrument :
BNA_M
ClientSampleId :
DBXN0

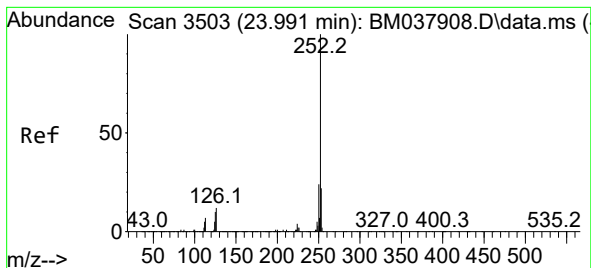
Tgt Ion:252 Resp: 2496191
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 10.8 8.0 12.0



#91
Benzo(k)fluoranthene
Concen: 38.972 ng/ul
RT: 23.350 min Scan# 3394
Delta R.T. -0.041 min
Lab File: BM037921.D
Acq: 09 Dec 2022 17:44

Tgt Ion:252 Resp: 2496191
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 10.8 8.1 12.1





#93

Benzo(a)pyrene

Concen: 17.937 ng/ul

RT: 23.997 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM037921.D

Acq: 09 Dec 2022 17:44

Instrument :

BNA_M

ClientSampleId :

DBXN0

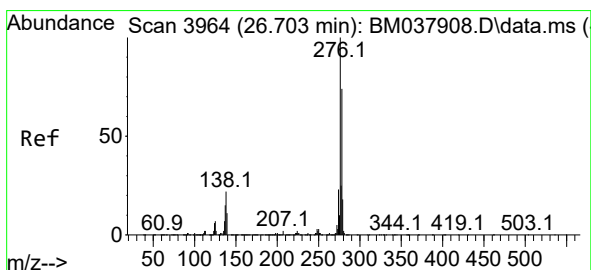
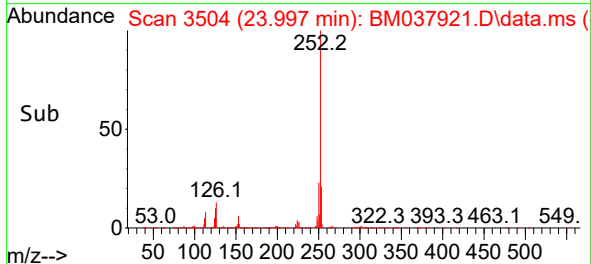
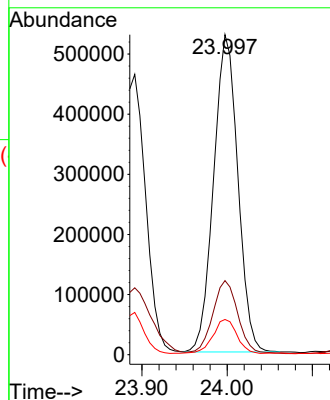
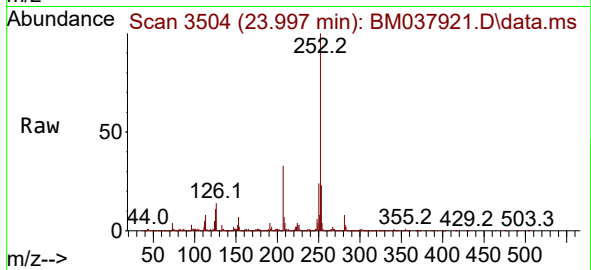
Tgt Ion:252 Resp: 1042436

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 11.0 9.4 14.0



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.334 ng/ul

RT: 26.697 min Scan# 3963

Delta R.T. -0.006 min

Lab File: BM037921.D

Acq: 09 Dec 2022 17:44

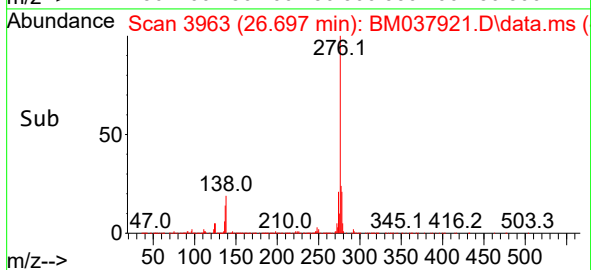
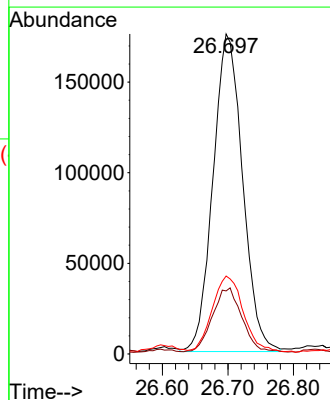
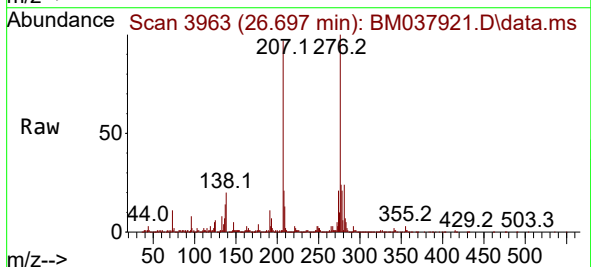
Tgt Ion:276 Resp: 548939

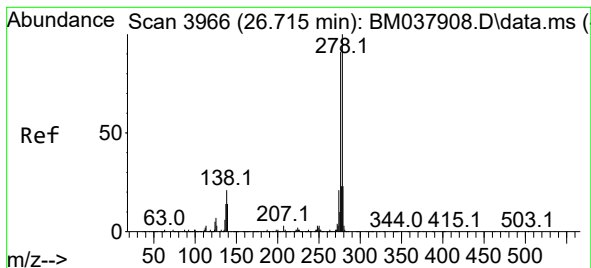
Ion Ratio Lower Upper

276 100

138 19.7 19.3 28.9

277 24.4 19.8 29.8





#95

Dibenzo(a,h)anthracene

Concen: 2.347 ng/ul

RT: 26.703 min Scan# 3964

Delta R.T. -0.012 min

Lab File: BM037921.D

Acq: 09 Dec 2022 17:44

Instrument :

BNA_M

ClientSampleId :

DBXN0

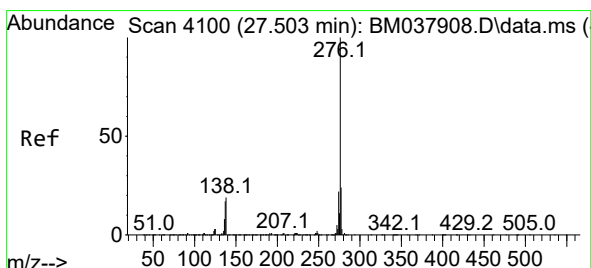
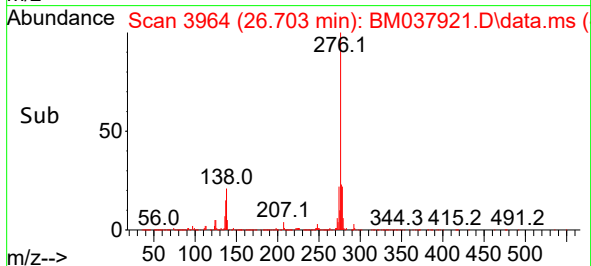
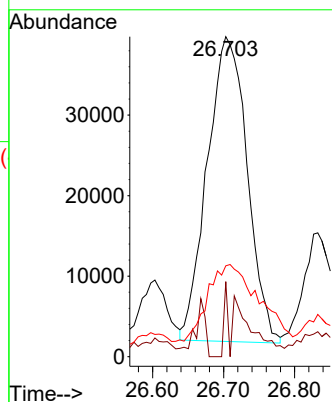
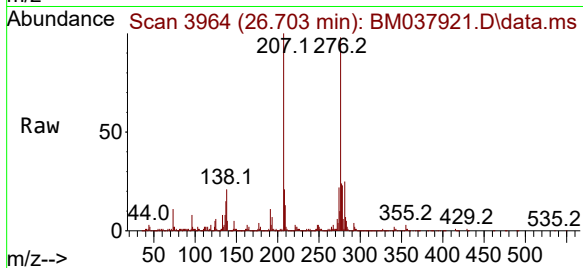
Tgt Ion:278 Resp: 148120

Ion Ratio Lower Upper

278 100

139 23.5 12.4 18.6#

279 28.4 19.8 29.6



#96

Benzo(g,h,i)perylene

Concen: 6.886 ng/ul

RT: 27.503 min Scan# 4100

Delta R.T. 0.000 min

Lab File: BM037921.D

Acq: 09 Dec 2022 17:44

Tgt Ion:276 Resp: 411491

Ion Ratio Lower Upper

276 100

138 21.0 17.1 25.7

277 23.4 18.2 27.4

